

1 **R307. Environmental Quality, Air Quality.**

2 **R307-205. Emission Standards: Fugitive Emissions and Fugitive**
3 **Dust.**

4 **R307-205-1. Purpose.**

5 R307-205 establishes minimum work practices and emission
6 standards for sources of fugitive emissions and fugitive dust
7 for sources located in all areas in the state except those
8 listed in section IX, Part H of the state implementation plan or
9 located in a PM10 nonattainment or maintenance area.

10
11 **R307-205-2. Applicability.**

12 [~~(1)~~ ~~Except where otherwise specified,~~ R307-205 applies
13 statewide to all sources of fugitive emissions and fugitive
14 dust, except for agricultural or horticultural activities
15 specified in 19-2-114(1)-(3) and any source listed in section
16 IX, Part H of the state implementation plan or located in a PM10
17 nonattainment or maintenance area.

18 [~~(2)~~ ~~The provisions of R307-205 shall not apply to any~~
19 ~~sources for which limitations for fugitive dust or fugitive~~
20 ~~emissions are assigned pursuant to R307-401, R307-305, or R307-~~
21 ~~307 nor shall they apply to agricultural or horticultural~~
22 ~~activities.]~~

23
24 **R307-205-3. Definitions.**

25 [~~(3)~~] The following definition[~~s~~] applies[~~y~~] throughout
26 R307-205:

27 "Material" means sand, gravel, soil, minerals or other
28 matter [~~which~~]that may create fugitive dust.[

29 ~~—"Road" means any public or private road.]~~

30
31 **R307-205-[2]4. Fugitive Emissions.**

32 Fugitive emissions from sources [~~in areas outside Davis,~~
33 ~~Salt Lake and Utah Counties, Ogden City and any nonattainment~~
34 ~~area for PM10 and]that were constructed on or before April 25,~~
35 1971, shall not exceed 40% opacity. Fugitive emissions from
36 sources constructed or modified after April 25, 1971, shall not
37 exceed 20% opacity.

38
39 **R307-205-[3]5. Fugitive Dust.**

40 (1) Storage and Handling of [~~Aggregate~~] Materials. Any
41 person owning, operating or maintaining a new or existing
42 material storage, handling or hauling operation shall minimize
43 fugitive dust from such an operation. Such control may include
44 the use of enclosures, covers, stabilization or other equivalent
45 methods or techniques as approved by the executive secretary.

46 (2) Construction and Demolition Activities.

47 (a) Any person engaging in clearing or leveling of land

greater than one-quarter acre in size, earthmoving, excavation, or movement of trucks or construction equipment over cleared land greater than one-quarter acre in size or access haul roads shall take steps to minimize fugitive dust from such activities. Such control may include watering and chemical stabilization of potential fugitive dust sources or other equivalent methods or techniques approved by the executive secretary.

(b) The owner or operator of any land area greater than one-quarter acre in size that has been cleared or excavated shall take measures to prevent fugitive particulate matter from becoming airborne. Such measures may include:

- (i) planting vegetative cover,
- (ii) providing synthetic cover,
- (iii) watering,
- (iv) chemical stabilization,
- (v) wind breaks, or
- (vi) other equivalent methods or techniques approved by the executive secretary.

(c) Any person engaging in demolition activities including razing homes, buildings, or other structures or removing paving material from roads or parking areas shall take steps to minimize fugitive dust from such activities. Such control may include watering and chemical stabilization or other equivalent methods or techniques approved by the executive secretary.

R307-205-[4]6. Roads.

~~(1) [Any person planning to construct or operate a new unpaved road which is anticipated to have an average daily traffic volume of 150 vehicle trips per day or greater, averaged over a consecutive five day period, shall submit a notice of intent to construct or operate such a road to the executive secretary pursuant to R307-401. Such notice shall include proposed action to minimize fugitive dust emissions from the road.~~

~~—(2)—~~ The executive secretary may require persons owning, operating or maintaining any new or existing road, or having right-of-way easement or possessory right to use the same, to supply traffic count information as determined necessary to ascertain whether or not control techniques are adequate or additional controls are necessary.

~~[(+3)]~~ (2) Any person who deposits materials ~~[which]~~ that may create fugitive dust on a public or private paved road shall clean the road promptly.

R307-205-[5]7. Mining Activities.

(1) Fugitive dust, construction activities, and roadways associated with mining activities are regulated under the

1 provisions of R307-205-[5]7 and not by R307-205-[3]5 and [4]6.

2 (2) Any person who owns or operates a mining operation
3 shall minimize fugitive dust as an integral part of site
4 preparation, mining activities, and reclamation operations.

5 (3) The fugitive dust control measures to be used may
6 include:

- 7 (a) periodic watering of unpaved roads,
- 8 (b) chemical stabilization of unpaved roads,
- 9 (c) paving of roads,
- 10 (d) prompt removal of coal, rock minerals, soil, and other
11 dust-forming debris from roads and frequent scraping and
12 compaction of unpaved roads to stabilize the road surface,
- 13 (e) restricting the speed of vehicles in and around the
14 mining operation,
- 15 (f) revegetating, mulching, or otherwise stabilizing the
16 surface of all areas adjoining roads that are a source of
17 fugitive dust,
- 18 (g) restricting the travel of vehicles on other than
19 established roads,
- 20 (h) enclosing, covering, watering, or otherwise treating
21 loaded haul trucks and railroad cars, to minimize loss of
22 material to wind and spillage,
- 23 (i) substitution of conveyor systems for haul trucks and
24 covering of conveyor systems when conveyed loads are subject to
25 wind erosion,
- 26 (j) minimizing the area of disturbed land,
- 27 (k) prompt revegetation of regraded lands,
- 28 (l) planting of special windbreak vegetation at critical
29 points in the permit area,
- 30 (m) control of dust from drilling, using water sprays,
31 hoods, dust collectors or other controls approved by the
32 executive secretary.
- 33 (n) restricting the areas to be blasted at any one time,
- 34 (o) reducing the period of time between initially
35 disturbing the soil and revegetating or other surface
36 stabilization,
- 37 (p) restricting fugitive dust at spoil and coal transfer
38 and loading points,
- 39 (q) control of dust from storage piles through use of
40 enclosures, covers, or stabilization and other equivalent
41 methods or techniques as approved by the executive secretary,
42 or
- 43 (r) other techniques as determined necessary by the
44 executive secretary.[]

45 ~~(4) Any person owning or operating an existing mining~~
46 ~~operation in an actual area of nonattainment for particulate or~~
47 ~~an existing mining operation outside an actual area of~~

~~nonattainment from which fugitive dust impacts an actual area of nonattainment for particulate shall submit plans for control of fugitive dust from such operations to the executive secretary for approval no later than September 29, 1981, 180 days after the effective date of this regulation.]~~

R307-205-[6]8. Tailings Piles and Ponds.

(1) Fugitive dust, construction activities, and roadways associated with tailings piles and ponds are regulated under the provisions of R307-205-[6]8 and not by R307-205-[3 and 4]5 and 6.

(2) Any person owning or operating an existing tailings operation where fugitive dust results from grading, excavating, depositing, or natural erosion or other causes in association with such operation shall take steps to minimize fugitive dust from such activities. Such controls may include:

- (a) watering,
- (b) chemical stabilization,
- (c) synthetic covers,
- (d) vegetative covers,
- (e) wind breaks,
- (f) minimizing the area of disturbed tailings,
- (g) restricting the speed of vehicles in and around the tailings operation, or
- (h) other equivalent methods or techniques which may be approvable by the executive secretary. [

~~(3) Any person owning or operating an existing tailings operation in a nonattainment area for particulate or an existing mining operation outside an actual area of nonattainment from which fugitive dust impacts an actual area of nonattainment for particulate shall submit plans for control of fugitive dust from such operations to the executive secretary for approval no later than September 29, 1981, 180 days after the effective date of this regulation.]~~

**KEY: air pollution, fugitive emissions[*], mining[*], tailings[*]
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